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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

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Listing of Claims:

- 1-17. (Previously Cancelled)
- 18. (Previously Presented) An electronic assembly comprising:
- a substrate:
- a first integrated circuit package mounted to said substrate;
- a first phase change pad including a mesh embedded into a first thermally conductive phase change material, the first phase change pad being coupled to said first integrated circuit package;
 - a second integrated circuit package mounted to said substrate;
- a second phase change pad including a mesh embedded into a second thermally conductive phase change material, the second phase change pad being thicker than the first phase change pad and coupled said second integrated circuit package; and
- a thermal element coupled to both said first phase change pad and said second first phase change pad.
- 19. (Previously Presented) The assembly of claim 18, wherein said first thermally conductive phase change material and said second thermally conductive phase change material includes a poly-olefin.
- 20. (Previously Presented) The assembly of claim 19, wherein said first thermally conductive phase change material and said second thermally conductive phase change material includes a

thermally conductive filler material being substantially greater in volume than said polyolefin.

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21. (Previously Presented) The assembly of claim 18, wherein said <u>first</u> thermally conductive phase

change material changes from a solid state to a liquid state at approximately 45 to 50 degrees centigrade.

- 22. (Previously Presented) The assembly of claim 18, wherein said substrate has a plurality of conductive pads along an edge of said substrate.
 - 23. (Previously Presented) An electronic assembly, comprising:
 - a substrate;
 - a first integrated circuit package mounted to said substrate;
 - a second integrated circuit package mounted to said substrate;
- a thermal element that is separated from said first integrated circuit package by a first distance and from said second integrated circuit package by a second distance which is greater than the first distance;
- a first thermally conductive phase change pad that couples said first integrated circuit package to said thermal element, said first thermally conductive phase change pad includes a first thermally conductive phase change material; and,
- a second thermally conductive phase change pad that couples said second integrated circuit package to said thermal element, said second thermally conductive phase change pad includes a second thermally conductive phase change material embedded into a mesh and sized with a thickness greater than a thickness of the first thermally conductive phase change pad.
- 24. (Previously Presented) The assembly of claim 23, wherein both said first thermally conductive phase change material and said second thermally conductive phase change material includes a poly-olefin.
- 25. (Previously Presented) The assembly of claim 24, wherein said first thermally conductive phase change material and said second thermally conductive phase change material includes a

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thermally conductive filler material being substantially greater in volume than said polyolefin.

26. (Previously Presented) The assembly of claim 23, wherein said first thermally conductive phase change material changes from a solid state to a liquid state at approximately 45 to 50 degrees centigrade.